

# A Guide to the Rare Animals of Tennessee

*May 2004*



Division of Natural Heritage, Tennessee Department of Environment & Conservation

# Tennessee Natural Heritage Program

## Rare Animals List

March 2004



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## Introduction

The Tennessee Department of Environment and Conservation's Division of Natural Heritage (DNH) is charged with protecting the state's biological diversity. That is no small task, considering that Tennessee is the most biodiverse state without a coastline. The mission of the DNH is to conserve our state's natural environments by identifying and protecting significant natural communities and rare species, and by promoting understanding and application of ecological principles. DNH is responsible for (1) the location and designation of state natural areas, (2) the regulation of the state's ginseng trade, (3) conducting surveys for federally listed species, especially plants, (4) environmental reviews for public agencies and NGOs, and (5) the location, identification, and documentation of rare plants\* and animals in Tennessee. The last task is the charge of the Tennessee Natural Heritage Program within DNH, which was created with the assistance and direction of The Nature Conservancy (TNC). The Tennessee Natural Heritage Program (TNHP) was established in 1974 in Nashville, TN, and was one of the first state Heritage programs in the U.S. The TNHP relies on the use of computerized databases to record and report important information regarding the state's rare, threatened, and endangered plants, animals, and natural communities. In 2001, the data management arm of TNC was reorganized as a separate entity, NatureServe, which continues to provide centralized support to Heritage programs, and coordinates the greater Heritage network.

Lists produced from the Program's Biological and Conservation Data base (BCD) help to accomplish the goals of conservation and protection of rare taxa. Federal, state, and private agencies, organizations, and individuals use species lists produced by the TNHP in the environmental review process. Currently 402 invertebrate taxa and 171 vertebrate taxa are actively tracked by the state, meaning that the TNHP has electronic occurrence information for these species, or that the Program intends to acquire such data. Additionally, the TNHP maintains 86 invertebrates and 47 vertebrates on a "Watch" list—species for which information is accumulated passively and maintained only in hardcopy form. Some of these taxa may warrant active tracking at a later time.

If you do not have a list that has been revised in the past year, please request a new copy from the address listed herein, or visit our website at <http://www.state.tn.us/environment/nh/> to download the latest version. Note that legal federal and/or state status may change before the next hardcopy edition of this list is produced.

DNH encourages knowledgeable individuals to assist the Program staff in determining accurate rare animal list contents and ranking information. Please submit comments and justification to [david.withers@state.tn.us](mailto:david.withers@state.tn.us) for consideration.

The legally defined Federal and State status is indicated for each species on this list. Federally listed species are protected by the Endangered Species Act of 1973, as amended. The U.S. Fish and Wildlife Service administers the Act and assigns Federal status

designations to species that are threatened with extinction (endangered) and those which may become endangered in the foreseeable future (threatened). The State status of certain invertebrates (mollusks & crustaceans) is determined by the Tennessee Wildlife Resources Agency (TWRA)\*\*. Generally, the TWRA designation will be at the same level (or higher) as the Federal status. However, many species may be listed by the TWRA that do not have a Federal status at present. Likewise, some federal species (including insects and arachnids) are not listed by TWRA. Many arguably rare invertebrates are not currently afforded state or federal protection, but are tracked by DNH due to their rarity.

The nominations of new species or revision of statuses for currently listed species may change for the following reasons: (1) new information about the distribution of the species in Tennessee and/or throughout its range, (2) changes in the number of known populations in Tennessee, (3) the viability of these populations, (4) habitat specificity, (5) known or perceived threats to the species and its habitats, (6) the number of protected populations, (7) the difficulty of adequately protecting or managing habitats for the species' survival, (8) biological factors which influence their ability to reproduce or respond to disturbance, or (9) the species' dependence on other species that also may be in jeopardy.

Status and ranking are subject to change during the year, so periodically check our web site to make certain you have the most recent information. Additional detail about species listed by the TWRA and UWFWS may be found at <http://www.state.tn.us/twra/nongmain.html> and <http://endangered.fws.gov/> respectively.

\*T.C.A. 70-8-301 through 70-8-314, “Rare Plant Protection and Conservation Act of 1985”

\*\*T.C.A. 70-8-101 through 70-8-112, “Tennessee Nongame and Endangered or Threatened Wildlife Species Conservation Act of 1974”

## **Reasons for this list**

Keeping track of rare fauna in Tennessee is an arduous task at best. Tennessee is one of the most biodiverse states in the nation, boasting over 300 species of fish, 80+ mammals, 60+ reptiles, approximately 70 amphibian taxa (including 21 frogs and toads, and over 40 salamanders), and 340+ species of birds.

The invertebrates are no less impressive, with over 225 land snails, 100 aquatic snails, 120+ species of mussels, 70+ crayfish, and insects too numerous to mention. Many of our rarer species are invertebrates, and some cave specialists (such as certain beetles, springtails, & pseudoscorpions) may be limited to just one or a very few sites.

With so many species and forms, and in part thanks to our geography and geology, and climate, the number of specialized species is remarkable. Endemism is high, with at least 74 animal species known only from Tennessee. Many other species exist on the periphery of their range in Tennessee (where evolutionary processes may act most quickly) or may range little outside of Tennessee.

It is the hope of the DNH that this list provides not only the nuts and bolts (the legal statuses) of rare species, but that it also instructs the reader as to the great diversity we all have inherited. Truly, its remarkable biodiversity makes Tennessee an outstanding state in which to live.

## **List Structure**

Species listed in the Rare Animals List are presented by major taxonomic grouping, then alphabetically by scientific name, and contain the following fields: scientific name, common (vernacular) name, the physiographic regions from which we have records, federal status, state status, the global and state ranks (as assigned by NatureServe and TNHP, respectively), and whether or not the species is endemic to Tennessee.

## **Scientific Name**

As presented by this list, each species' scientific name is generally that accepted by the International Commission on Zoological Nomenclature (ICZN). Because many species may undergo name changes from time to time, recently modified names may be included as junior synonyms (in parentheses).

## **Common or Vernacular Names**

It is a common misconception that vernacular names change more frequently than scientific names. That is not necessarily the case. What is true is that many more common names may exist simultaneously than the scientific parlance. This list presents common names believed to be most recognizable in Tennessee. For more obscure fauna (e.g. land snails), those names generally adopted by the scientific community are utilized.

## **Federal Status**

Federally listed animals are protected by the Endangered Species Act of 1973 (as amended), and the list is maintained by the U.S. Fish and Wildlife Service. In Tennessee, listing and recovery responsibilities are divided between two USFWS offices, in Cookeville, TN, and Asheville, NC. Please visit <http://southeast.fws.gov/> for additional information about USFWS activities in Tennessee.

The USFWS simplified the assignment of various “candidate species” designations in 1997, and those changes are reflected here. Applicable federal statuses are defined as follows, based on nomenclature adopted by NatureServe and the Tennessee Natural Heritage Program:

<b>LE</b>	Listed Endangered	Taxon is threatened by extinction throughout all or a significant portion of its range
<b>E/SA</b>	Endangered by Similarity of Appearance	Taxon is treated as an endangered species because it may not be easily distinguished from a listed species
<b>LT</b>	Listed Threatened	Taxon is likely to become an endangered species in the foreseeable future
<b>T/SA</b>	Threatened by Similarity of Appearance	Taxon is treated as a threatened species because it may not be easily distinguished from a listed species
<b>PE</b>	Proposed Endangered	Taxon proposed for listing as endangered
<b>PT</b>	Proposed Threatened	Taxon proposed for listing as threatened
<b>C</b>	Candidate species***	Taxon for which the USFWS has sufficient information to support proposals to list the species as threatened or endangered, and for which the Service anticipates a listing proposal
<b>(PS)</b>	Partial Status (based on taxonomy)	Taxon which is listed in part of its range, but for which Tennessee <u>subspecies</u> are not included in the Federal designation
<b>(PS:<i>status</i>)</b>	Partial Status (based on political boundaries)	Taxon which is listed in part of its range, but for which Tennessee <u>populations</u> are not included in the Federal designation e.g. (PS:LE)
<b>(<i>status, XN</i>)</b>	Non-essential experimental population in portion of range	Taxon which has been introduced or re-introduced in an area from which it has been extirpated, and for which certain provisions of the Act may not apply

(Modified from Federal Register, 50 CFR Part 17.11 {31 December 1999})

\*\*\* Taxa listed as candidate species may be added to the list of Endangered and Threatened species, and as such, consideration should be given to them in environmental planning. Taxa listed as LE, LT, PE, and PT must be given consideration in environmental planning involving federal funds, lands, or permits, and should be given consideration in all non-federal activities. For further information, please contact the Tennessee Field Office of the USFWS, 446 Neal Street, Cookeville, TN 38501; (931) 528-6481.

## **State Status**

In Tennessee, vertebrates, mollusks and crustaceans may be formally listed by the TWRA as Endangered, Threatened, or “Deemed in Need of Management” (T.C.A. 70-8-104, 70-8-105, 70-8-107). No insects or arachnids can be listed by the TWRA, but may be listed by the USFWS.

<b>E</b>	Endangered	Any species or subspecies of wildlife whose prospects of survival or recruitment within the state are in jeopardy or are likely to become so within the foreseeable future
<b>T</b>	Threatened	Any species or subspecies of wildlife that is likely to become an endangered species within the foreseeable future
<b>D</b>	“Deemed in Need of Management”	Any species or subspecies of nongame wildlife which the executive director of the TWRA believes should be investigated in order to develop information relating to populations, distribution, habitat needs, limiting factors, and other biological and ecological data to determine management measures necessary for their continued ability to sustain themselves successfully. This category is analogous to “Special Concern.”

Note: Many species presented in this list may have neither a state nor federal designation, however are considered rare by the DNH, NatureServe, or other agencies, and should be evaluated during the environmental review process. Information is collected on these species in order to minimize the necessity of listing these taxa as endangered or threatened.

## **GRANK and SRANK**

As a guide in setting conservation priorities, TNC developed a ranking system for estimating the abundance of plants and animals tracked by Heritage programs. The Global Rank (GRANK) is assigned by NatureServe Central Zoology staff based on the best range wide (global) abundance information for each taxon. A five-tier system (G1-G5) is used to describe rarity, from G1 (extremely rare) to G5 (widespread). The same system is applied by DNH to assign the State Rank (SRANK), which describes the species’ abundance within our state borders. Numerous land management agencies, including the Cherokee National Forest, use GRANK to help determine sensitive species that occur on their properties.

SRANK and GRANK are based primarily upon the number of occurrences of the element (species) within the state and range wide, respectively. For obscure or under-studied species, ranks are based on the best available information, and consideration may be given to other factors influencing the rarity of each taxon.

SRANKs used in this list are defined below. GRANKs are similarly defined, except that ranking criteria apply range wide (e.g. an S1 species is “extremely rare” in the state, and a G1 species is “extremely rare” range wide).

<b>S1</b>	Extremely rare and critically imperiled in the state with five or fewer occurrences, or very few remaining individuals, or because of some special condition where the species is particularly vulnerable to extinction
<b>S2</b>	Very rare and imperiled within the state, six to twenty occurrences, or few remaining individuals, or because of some factor(s) making it vulnerable to extinction
<b>S3</b>	Rare and uncommon in the state, from 21-100 occurrences
<b>S4</b>	Widespread, abundant, and apparently secure within the state, but with cause for long-term concern
<b>S5</b>	Demonstrably widespread and secure in the state
<b>SH</b>	Of historical occurrence in Tennessee, e.g. formally part of the established biota, with the expectation that it may be rediscovered
<b>SU</b>	Can not be ranked using available information
<b>SX</b>	Believed to be extirpated from the state
<b>S#S#</b>	Denotes a “range rank” because the rarity of the species is uncertain (e.g. S1S3)
<b>S?, S_?</b>	Unranked at this time or rank uncertain
<b>SE</b>	Exotic species established in the state
<b>SE#</b>	Exotic numeric (e.g. the Asian clam <i>Corbicula fluminea</i> would be SE5)
<b>SP</b>	Potentially occurring in Tennessee, but not yet documented by DNH
<b>_N</b>	Occurs in Tennessee in a non-breeding status (mostly applies to vertebrates)
<b>_B</b>	Breeds in Tennessee
<b>SA</b>	Accidental or casual in the state (several birds)
<b>SR</b>	Reported from the state, but insufficient data to assign rank
<b>SRF</b>	Reported falsely from the state
<b>HYB</b>	Hybrid within its range in Tennessee
<b>SSYN</b>	Synonym for another species
<b>_Q</b>	Questionable taxonomy (GRANKs only)
<b>_T#</b>	Subspecific taxon rank (GRANKs only)

Note: Those species having an SRANK of S1 to S3, state endemics, and species with limited distribution in Tennessee should be given special consideration in environmental planning. For further information contact DNH at (615) 532-0440.

### **State Endemic**

If a species is endemic to Tennessee (occurs nowhere else), it may be categorized as follows:

<b>Y, Yes</b>	Endemic to Tennessee
<b>P, Probable</b>	Probably endemic to Tennessee
<b>B, Breeding</b>	Endemic to the state as a breeder only

## Vertebrates

Scientific Name	Common Name	Physiographic Province	Federal Status	State Status	State Rank	Global Rank	State Endemic?
<b>AMPHIBIANS</b>							
<i>AMBYSTOMA BARBOURI</i>	STREAMSIDE SALAMANDER	CB	D	S2		G4	
<i>CRYPTOBRANCHUS ALLEGANIENSIS</i>	HELLBENDER	WR RV BR CB WU CU ER SV	D	S3		G3G4	
<i>DESMOGNATHUS AENEUS</i>	SEEPEAGE SALAMANDER	BR	D	S1		G3G4	
<i>DESMOGNATHUS WELTERI</i>	BLACK MOUNTAIN DUSKY SALAMANDER	CM CU	D	S3		G4	
<i>DESMOGNATHUS WRIGHTI</i>	PIGMY SALAMANDER	BR RV	D	S2		G3G4	
<i>EURYCEA JUNALUSKA</i>	JUNALUSKA SALAMANDER	BR	D	S2		G3	
<i>GYRINOPHILUS PALLEUCUS</i>	TENNESSEE CAVE SALAMANDER	CU ER RV CB BR	T	S2		G2G3	
<i>HEMIDACTYLUM SCUTATUM</i>	FOUR-TOED SALAMANDER	CU ER BR RV WR CM CB	D	S3		G5	
<i>HYLA GRATIOSA</i>	BARKING TREEFROG	WR CU CP ER WU SV	D	S3		G5	
<i>PLETHODON SHERMANI</i>	RED-LEGGED SALAMANDER				S2	G2	
<i>PLETHODON WEHRLEI</i>	WEHRLE'S SALAMANDER	CM	D	S1		G5	
<i>PLETHODON WELLERI</i>	WELLER'S SALAMANDER	BR	D	S1		G3	
<i>RANA CAPITO</i>	GOPHER FROG	ER	(PS)		S1	G3	
<b>BIRDS</b>							
<i>ACCIPITER STRIATUS</i>	SHARP-SHINNED HAWK	CU CM WR BR RV ER CP	(PS)	D	S3B		G5
<i>AEGOLIUS ACADICUS</i>	NORTHERN SAW-WHET OWL	RV BR	T	S1		G5	
<i>AIMOPHILA AESTIVALIS</i>	BACHMAN'S SPARROW	WR CU WU ER RV CP CB WF	E	S2		G3	
<i>AMMODRAMUS HENSLOWII</i>	HENSLOW'S SPARROW	ER WR	D	S1B		G4	
<i>ANHINGA ANHINGA</i>	ANHINGA	MF WR WU	D	S1B		G5	
<i>AQUILA CHRYSAELOS</i>	GOLDEN EAGLE	WR CB CU BR	T	S1		G5	
<i>ARDEA ALBA</i>	GREAT EGRET	WR MF RV BR CP CB	D	S2B,S3N		G5	
<i>BOTAURUS LENTIGINOSUS</i>	AMERICAN BITTERN	ER WR			S1		G4
<i>BUBULCUS IBIS</i>	CATTLE EGRET				S2B,S3N		G5
<i>CHONDESTES GRAMMACUS</i>	LARK SPARROW	CP WR WU CB MF	T	S1B		G5	
<i>CIRCUS CYANEUS</i>	NORTHERN HARRIER		D	S4N		G5	
<i>CONTOPUS COOPERI</i>	OLIVE-SIDED FLYCATCHER	BR	D	S1		G4	
<i>CORVUS CORAX</i>	COMMON RAVEN	BR RV	T	S2		G5	
<i>DENDROICA CERULEA</i>	CERULEAN WARBLER	RV BR WR WU CM CU ER MF CB CP CP WR MF WU	D	S3B		G4	
<i>EGRETTA CAERULEA</i>	LITTLE BLUE HERON		D	S2B,S3N		G5	
<i>EGRETTA THULA</i>	SNOWY EGRET		D	S2B,S3N		G5	
<i>EMPIDONAX ALNORUM</i>	ALDER FLYCATCHER	BR			S1		G5
<i>FALCO PEREGRINUS</i>	PEREGRINE FALCON	BR CU RV CB MF	(PS:LE)	E	S1N		G4
<i>GALLINULA CHLOROPUS</i>	COMMON MOORHEN	RV MF	(PS)	D	S1B		G5
<i>HALIAEETUS LEUCOCEPHALUS</i>	BALD EAGLE	WR MF CP ER RV CB WU CU SV	LT	D	S3		G4
<i>ICTINIA MISSISSIPPIENSIS</i>	MISSISSIPPI KITE	MF CP		D	S2S3		G5
<i>IXOBRYCHUS EXILIS</i>	LEAST BITTERN	RV MF ER CP CU CB	D	S2B		G5	

## Vertebrates

Scientific Name	Common Name	Physiographic Province	Federal Status	State Status	State Rank	Global Rank	State Endemic?
<b>BIRDS</b>							
<i>LANIUS LUDOVICIANUS</i>	LOGGERHEAD SHRIKE			D	S3	G4	
<i>LATERALLUS JAMAICENSIS</i>	BLACK RAIL	RV			S1	G4	
<i>LIMNOTHYPIST SWAINSONII</i>	SWAINSON'S WARBLER	CP BR WR MF RV CU CM WU		D	S3	G4	
<i>LOXIA CURVIROSTRA</i>	RED CROSSBILL				S1B,S2N	G5	
<i>PASSERCULUS SANDWICHENSIS</i>	SAVANNAH SPARROW	RV WR			S1B,S4N	G5	
<i>POECILE ATRICAPILLUS</i>	BLACK-CAPPED CHICKADEE			D	S2B	G5	
<i>POOECETES GRAMINEUS</i>	VESPER SPARROW	BR WR		D	S1B,S4N	G5	
<i>RALLUS ELEGANS</i>	KING RAIL	ER RV WR		D	S2	G4G5	
<i>RALLUS LIMICOLA</i>	VIRGINIA RAIL	RV			S1B,S3N	G5	
<i>SPHYRAPICUS VARIUS</i>	YELLOW-BELLIED SAPSUCKER	BR CP		D	S1B,S4N	G5	
<i>STERNA ANTILLARUM ATHALASSOS</i>	INTERIOR LEAST TERN	MF	LE	E	S2S3B	G4T2Q	
<i>THRYSOMANES BEWICKII</i>	BEWICK'S WREN	WR CP BR CB CM CU WU ER MF		E	S1	G5	
<i>TYRANNUS FORFICATUS</i>	SCISSOR-TAILED FLYCATCHER				S1B,SAN	G5	
<i>TYTO ALBA</i>	COMMON BARN-OWL	CP MF RV CB BR WR ER		D	S3	G5	
<i>VERMIVORA CHRYSOPTERA</i>	GOLDEN-WINGED WARBLER	CU BR		D	S3B	G4	
<i>VIREO BELLII</i>	BELL'S VIREO	CP			SHB	G5	
<b>FISHES</b>							
<i>ACIPENSER FULVESCENTS</i>	LAKE STURGEON	CB RV		E	S1	G3G4	
<i>ALOSA ALABAMAE</i>	ALABAMA SHAD			D	SH	G3	
<i>AMMOCRYPTA BEANI</i>	NAKED SAND DARTER	CP WU		D	S2	G5	
<i>AMMOCRYPTA CLARA</i>	WESTERN SAND DARTER	RV		T	S1	G3	
<i>AMMOCRYPTA VIVAX</i>	SCALY SAND DARTER	CP WU WR		D	S2	G5	
<i>ATRACTOSTEUS SPATULA</i>	ALLIGATOR GAR	WR MF CP		D	S1	G3G4	
<i>CARPIOIDES VELIFER</i>	HIGHFIN CARPSUCKER	RV ER BR WR WU SV CB		D	S2S3	G4G5	
<i>CLINOSTOMUS FUNDULOIDES SSP 1</i>	SMOKY DACE	BR		D	S1S2	G5T3Q	
<i>CRYSTALLARIA ASPRELLA</i>	CRYSTAL DARTER	CB CM		D	SX	G3	
<i>CYCLEPTUS ELONGATUS</i>	BLUE SUCKER	CP WR MF CB RV WU		T	S2	G3G4	
<i>CYPRINELLA CAERULEA</i>	BLUE SHINER	BR RV	LT	E	S1	G2	
<i>ERICYMBIA BUCCATA</i>	SILVERJAW MINNOW	CM CB		T	S1	G5	
<i>ERIMYSTAX CAHNI</i>	SLENDER CHUB	RV CU	LT	T	S1	G1	
<i>ETHEOSTOMA ACUTICEPS</i>	SHARPFHEAD DARTER	RV BR			S2S3	G3	
<i>ETHEOSTOMA AQUALI</i>	COPPERCHEEK DARTER	WR CB WU		T	S2S3	G2G3	Y
<i>ETHEOSTOMA BAILEYI</i>	EMERALD DARTER	CM CU		D	S2	G4G5	
<i>ETHEOSTOMA BARBOURI</i>	TEARDROP DARTER	WR		D	S2	G4G5	
<i>ETHEOSTOMA BARRENENSE</i>	SPLENDID DARTER	WR		D	S3	G4	
<i>ETHEOSTOMA BELLUM</i>	ORANGEFIN DARTER	WR		D	S3	G4G5	
<i>ETHEOSTOMA BLENNIOIDES</i>	TUCKASEGEE DARTER	BR		E	S1	G5T4	
<i>GUTSELLI</i>	SEQUATCHIE BLENNY DARTER				S3	G4T3	Y
<i>ETHEOSTOMA BLENNIUS</i>	SEQUATCHIENSE						

## Vertebrates

Scientific Name	Common Name	Physiographic Province	Federal Status	State Status	State Rank	Global Rank	State Endemic?
<b>FISHES</b>							
<i>ETHEOSTOMA BOSCHUNGI</i>	SLACKWATER DARTER	WR WU ER	LT	T	S1	G1	
<i>ETHEOSTOMA BREVIROSTRUM</i>	HOLIDAY (=ELLIJAY) DARTER	RV BR		T	S1	G2	
<i>ETHEOSTOMA CERVUS</i>	CHICKASAW DARTER				S2S3	G2G3	Y
<i>ETHEOSTOMA CINEREUM</i>	ASHY DARTER	CU CB RV WR ER CM		T	S2S3	G2G3	
<i>ETHEOSTOMA CORONA</i>	CROWN DARTER	WU WR		E	S1S2	G3	
<i>ETHEOSTOMA DENONCOURTI</i>	GOLDEN DARTER	SV RV CB WR			S2	G2	
<i>ETHEOSTOMA DITREMA</i>	COLDWATER DARTER	RV		T	S1	G1G2	
<i>ETHEOSTOMA FORBESI</i>	BARRENS DARTER	ER		E	S1	G1G2	Y
<i>ETHEOSTOMA KANTUCKEENSE</i>	HIGHLAND RIM DARTER				S1	G4	
<i>ETHEOSTOMA LUTEOVINCTUM</i>	REDBAND DARTER	CB ER WR		D	S4	G4	Y
<i>ETHEOSTOMA MICROLEPIDUM</i>	FINESCALE DARTER	CB WR		D	S2	G2G3	
<i>ETHEOSTOMA NEOPTERUM</i>	LOLLYPOP DARTER	WR WU			S1S2	G3	
<i>ETHEOSTOMA OLIVACEUM</i>	SOOTY DARTER (=DIRTY DARTER)	CB		D	S3	G3	Y
<i>ETHEOSTOMA PERCNURUM</i>	DUSKYTAIL DARTER	RV CU BR	LE	E	S1	G1	
<i>ETHEOSTOMA PSEUDOVULATUM</i>	EGG-MIMIC DARTER	WR		E	S1	G1	Y
<i>ETHEOSTOMA PYRRHOGASTER</i>	FIREBELLY DARTER	CP WU		D	S2	G2	
<i>ETHEOSTOMA SAGITTA</i>	ARROW DARTER	CM CU		D	S2	G3G4	
<i>ETHEOSTOMA SP D</i>	JEWEL DARTER (DORATION)	ER CU	LE	E	S1	G1	Y
<i>ETHEOSTOMA STRIATULUM</i>	STRIATED DARTER	CB ER		T	S1	G1	Y
<i>ETHEOSTOMA SUSANAE</i>	CUMBERLAND JOHNNY DARTER	CM	C	E	S1	G2	
<i>ETHEOSTOMA TIPPECANOE</i>	TIPPECANOE DARTER	CU WR CB RV		D	S1S2	G3G4	
<i>ETHEOSTOMA TRISELLA</i>	TRISPOT DARTER	RV		T	S1	G1	
<i>ETHEOSTOMA TUSCUMBIA</i>	TUSCUMBIA DARTER	WU		D	SX	G2	
<i>ETHEOSTOMA WAPITI</i>	BOULDER DARTER	CB	LE	E	S1	G1	
<i>FUNDULUS CHRYSOTUS</i>	GOLDEN TOPMINNOW	MF		D	S1S2	G5	
<i>FUNDULUS JULISIA</i>	BARRENS TOPMINNOW	ER		E	S1	G1	Y
<i>HEMITREMIA FLAMMEA</i>	FLAME CHUB	RV ER CB WU SV WR BR		D	S3	G3	
<i>HYBOGNATHUS PLACITUS</i>	PLAINS MINNOW	MF		D	S1	G4	
<i>HYBOPSIS LINEAPUNCTATA</i>	LINED CHUB	RV		D	S1	G3	
<i>HYBOPSIS MONACHA</i>	SPOTFIN CHUB	CU BR RV WR CM	LT	T	S2	G2	
<i>ICHTHYOMYZON GAGEI</i>	SOUTHERN BROOK LAMPREY	WU WR RV BR		D	S1	G5	
<i>ICHTHYOMYZON UNICUSPIS</i>	SILVER LAMPREY	WR CB		D	S2	G5	
<i>MACRHYBOPSIS GELIDA</i>	STURGEON CHUB	MF		D	S1	G3	
<i>MACRHYBOPSIS MEEKI</i>	SICKLEFIN CHUB	MF MS		D	S2	G3	
<i>MACRHYBOPSIS SP 1</i>	CF. M. AESTIVALIS	RV			S1	G3G4	
<i>MOXOSTOMA LACERUM</i>	HARELIP SUCKER	CB ER		D	SX	GX	
<i>NOTROPIS ALBIZONATUS</i>	PALEZONE SHINER (S. Fk. Cumberland Dr.)	RV	LE	E	SH	G2	
<i>NOTROPIS ASPERIFRONS</i>	BURRHEAD SHINER				S2	G4	
<i>NOTROPIS CHROSOMUS</i>	RAINBOW SHINER				S3	G4	
<i>NOTROPIS DORSALIS</i>	BIGMOUTH SHINER	MS		D	S1	G5	
<i>NOTROPIS RUBELLUS RUBELLUS</i>	ROSYFACE (=ROSEFACE) SHINER	CM WR		D	S2	G5T?	
<i>NOTROPIS RUPESTRIS</i>	BEDROCK SHINER	CB ER		D	S2	G2	Y

## Vertebrates

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<b>FISHES</b>							
<i>NOTROPIS STILBIUS</i>	SILVERSTRIPE SHINER				S3	G4	
<i>NOTURUS BAILEYI</i>	SMOKY MADTOM	BR	LE	E	S1	G1	
<i>NOTURUS FLAVIPINNIS</i>	YELLOWFIN MADTOM	RV BR	(LT,XN)	E	S1	G1	Y
<i>NOTURUS MUNITUS</i>	FRECKLEBELLY MADTOM	RV		T	S1	G3	
<i>NOTURUS SP 3</i>	SADDLED MADTOM	WU WR CB		T	S2	G2Q	Y
<i>NOTURUS SP 4</i>	CHUCKY MADTOM	RV	C	E	S1	G1	Y
<i>NOTURUS STANALI</i>	PYGMY MADTOM	WR RV CB	LE	E	S1	G1	Y
<i>NOTURUS STIGMOSUS</i>	NORTHERN MADTOM	CP WU MF		D	S3	G3	
<i>PERCINA ANTESELLA</i>	AMBER DARTER	RV BR	LE	E	S1	G1G2	
<i>PERCINA AURANTIACA</i>	TANGERINE DARTER	RV BR CU CM		D	S3	G4	
<i>PERCINA BURTONI</i>	BLOTHSIDER DARTER	RV BR WR CB ER CU		D	S2	G2	
<i>PERCINA JENKINSI</i>	CONASAUGA (=RETICULATE) LOGPERCH	RV BR	LE	E	S1	G1	
<i>PERCINA KATHAE</i>	MOBILE LOGPERCH				S2S3	G4	
<i>PERCINA MACROCEPHALA</i>	LONGHEAD DARTER	RV CU CB BR ER WR		T	S2	G3	
<i>PERCINA PHOXOCEPHALA</i>	SLENDERHEAD DARTER	WR CB ER		D	S3	G5	
<i>PERCINA SP 3</i>	MUSCADINE DARTER	BR			S1	G2Q	
<i>PERCINA SP 9</i>	BRIDLED DARTER				S1	G1Q	
<i>PERCINA SQUAMATA</i>	OLIVE DARTER	CU		D	S2	G3	
<i>PERCINA STICTOGASTER</i>	BLACKFIN DARTER (ODONTOPHILIS)	WR		D	S1	G4G5	
<i>PERCINA TANASI</i>	SNAIL DARTER	RV SV CB BR	LT	T	S2S3	G2G3	
<i>PHENACOBIAUS CATOSTOMUS</i>	RIFFLE MINNOW				S2	G4	
<i>PHOXINUS CUMBERLANDENSIS</i>	BLACKSIDE DACE	CM	LT	T	S2	G2	
<i>PHOXINUS SAYLORI</i>	LAUREL DACE	CU		E	S1	G1	Y
<i>PHOXINUS TENNESSEENSIS</i>	TENNESSEE DACE	RV BR CM CU SV		D	S3	G3	
<i>POLYODON SPATHULA</i>	PADDLEFISH	RV			S3	G4	
<i>SCAPHIRHYNCHUS ALBUS</i>	PALLID STURGEON	MF	LE	E	S1	G1	
<i>THOBURNIA ATRIPINNIS</i>	BLACKFIN SUCKER	WR CB		D	S1	G2	
<i>TYPHLICHTHYS SUBTERRANEUS</i>	SOUTHERN CAVEFISH	WR ER WU CB CU		D	S3	G4	
<b>MAMMALS</b>							
<i>CONDYLURA CRISTATA</i>	STAR-NOSED MOLE	BR		D	S2	G5	
<i>CORYNORHINUS RAFINESQUII</i>	EASTERN BIG-EARED BAT	CU CB ER BR CP RV MF CM SV		D	S3	G3G4	
<i>GLAUCOMYS SABRINUS COLORATUS</i>	CAROLINA NORTHERN FLYING SQUIRREL	BR	LE	E	S1	G5T1	
<i>MARTES PENNANTI</i>	FISHER				S1	G5	
<i>MICROTUS CHROTORRHINUS</i>	SOUTHERN ROCK VOLE	BR		D	S2	G4T3	
<i>CAROLINENSIS</i>							
<i>MUSTELA NIVALIS</i>	LEAST WEASEL	RV BR CU			S2	G5	
<i>MYOTIS AUSTRORIPARIUS</i>	SOUTHEASTERN MYOTIS				S3	G3G4	
<i>MYOTIS GRISESCENS</i>	GRAY BAT	WR CB RV ER CU WU SV CP CM BR	LE	E	S2	G3	

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<b>MAMMALS</b>							
<i>MYOTIS LEIBII</i>	EASTERN SMALL-FOOTED BAT	CM CU WR BR RV		D	S2S3	G3	
<i>MYOTIS SODALIS</i>	INDIANA BAT	WR CM CB CU BR RV ER MF	LE	E	S1	G2	
<i>NAPAEZOZAPUS INSIGNIS</i>	WOODLAND JUMPING MOUSE	BR CM CU ER RV		D	S4	G5	
<i>NEOTOMA FLORIDANA</i>	SOUTHERN APPALACHIAN	BR		D	S2	G5T4Q	
<i>HAEMATOREIA</i>	WOODRAT						
<i>NEOTOMA FLORIDANA ILLINOENSIS</i>	EASTERN WOODRAT	CP MF		D	S3	G5T5	
<i>NEOTOMA MAGISTER</i>	EASTERN WOODRAT	ER WR CU CB CM BR RV		D	S3	G3G4	
<i>PARASCALOPS BREWERI</i>	HAIRY-TAILED MOLE	RV BR CM		D	S3	G5	
<i>SOREX CINEREUS</i>	COMMON SHREW	BR CU CM RV ER WR CP		D	S4	G5	
<i>SOREX DISPAR</i>	LONG-TAILED OR ROCK SHREW	CU BR RV		D	S2	G4	
<i>SOREX FUMEUS</i>	SMOKY SHREW	BR CU ER CB CM RV		D	S4	G5	
<i>SOREX HOYI</i>	PYGMY SHREW	CU ER WR			S2	G5	
<i>SOREX LONGIROSTRIS</i>	SOUTHEASTERN SHREW	ER RV CB WR CU BR CP WU CM MF		D	S4	G5	
<i>SOREX PALUSTRIS</i>	WATER SHREW	BR		D	S2	G5	
<i>SPILOGALE PUTORIUS</i>	EASTERN SPOTTED SKUNK	BR CU CM			S3	G5	
<i>SYNAPTONYMS COOPERI</i>	SOUTHERN BOG LEMMING	CU RV BR CP CM WR		D	S4	G5	
<i>ZAPUS HUDSONIUS</i>	MEADOW JUMPING MOUSE	CP BR CB WR ER WU CU MF RV	(PS)	D	S4	G5	
<b>REPTILES</b>							
<i>CLEMmys MUHLENBERGII</i>	BOG TURTLE	BR	T(S/A)	T	S1	G3	
<i>EUMECES ANTHRACINUS</i>	COAL SKINK	WU BR		D	S1	G5	
<i>MACROCHЕLYS TEMMINCKII</i>	ALLIGATOR SNAPPING TURTLE	WU CB WR MF CP		D	S2S3	G3G4	
<i>NERODIA CYCLOPION</i>	GREEN WATER SNAKE	CP MF WF		D	S2	G5	
<i>NERODIA ERYTHROGASTER</i>	COPPERBELLY WATER SNAKE	WR WU	(PS:LT)		HYB	G5T2T3	
<i>NEGLECTA</i>							
<i>OPHISaurus ATTENUATUS</i>	EASTERN SLENDER GLASS LIZARD	WR CU CP BR ER RV WU CB		D	S3	G5T5	
<i>LONGICAUDUS</i>							
<i>PITUOPHIS MELANOLEUCUS</i>	NORTHERN PINE SNAKE	WR WU CU BR RV ER CP		T	S3	G4T4	
<i>MELANOLEUCUS</i>							
<i>SISTRURUS MILIARIUS STRECKERI</i>	WESTERN PIGMY RATTLESNAKE	WR CP CB WU		T	S2S3	G5T5	

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<b>ARACHNIDS</b>							
<i>ANTHROBIA MAMMOUTHIA</i>	A CAVE SPIDER				S1?	G3G4	
<i>APPALEPTONETA SP. 1</i>	A LEPTONETID SPIDER FROM GHOST RIVER CAVE	CU			S1	G1	
<i>CALLIOPUS PANTOPLUS</i>	AN AMAUROBIID SPIDER				S2	G3	
<i>CHITRELLA ARCHERI</i>	A CAVE OBLIGATE PSEUDOSCORPION				S1S2	G3	
<i>HESPEROCHERNES MIRABILIS</i>	SOUTHEASTERN CAVE PSUEDOSCORPION	CU			S3	G3G4	
<i>KLEPTOCHTHONIUS AFFINIS</i>	A CAVE OBLIGATE PSEUDOSCORPION	RV			S1S2	G1G2	
<i>KLEPTOCHTHONIUS BARRI</i>	A CAVE OBLIGATE PSEUDOSCORPION				S1S2	G3	
<i>KLEPTOCHTHONIUS CHARON</i>	A CAVE OBLIGATE PSEUDOSCORPION	SV			S1S2	G1G2	
<i>KLEPTOCHTHONIUS DAEMONIUS</i>	A CAVE OBLIGATE PSEUDOSCORPION	ER CU			S1S2	G1G2	
<i>KLEPTOCHTHONIUS INFERNALIS</i>	A CAVE OBLIGATE PSEUDOSCORPION	CU			S1S2	G1G2	
<i>KLEPTOCHTHONIUS MAGNUS</i>	A CAVE OBLIGATE PSEUDOSCORPION	CU			S1S2	G1G2	
<i>KLEPTOCHTHONIUS MYOPIUS</i>	A CAVE OBLIGATE PSEUDOSCORPION	ER			S1S2	G1G2	
<i>KLEPTOCHTHONIUS PLUTO</i>	A CAVE OBLIGATE PSEUDOSCORPION	ER			S1S2	G1G2	
<i>KLEPTOCHTHONIUS REX</i>	A CAVE OBLIGATE PSEUDOSCORPION	ER			S1S2	G1G2	
<i>KLEPTOCHTHONIUS SP. 2</i>	A CAVE PSEUDOSCORPION (OVERTON COUNTY, TN)				S1	G1	
<i>KLEPTOCHTHONIUS STYGIUS</i>	A CAVE OBLIGATE PSEUDOSCORPION	ER			S1S2	G1G2	
<i>KLEPTOCHTHONIUS TANTALUS</i>	A CAVE OBLIGATE PSEUDOSCORPION	CU			S1S2	G1G2	
<i>MICROHEXURA MONTIVAGA</i>	SPRUCE-FIR MOSS SPIDER	BR	LE		S1	G1	
<i>NESTICUS BARRI</i>	A CAVE OBLIGATE SPIDER				S2S3	G3G4	
<i>NESTICUS BARROWSI</i>	A CAVE OBLIGATE SPIDER	BR			S1S2	G1G2	
<i>NESTICUS DILUTUS</i>	GRASSY CREEK CAVE SPIDER	RV			S1S2	G1G2	Y
<i>NESTICUS FURTIVUS</i>	CRYSTAL CAVERNS CAVE SPIDER	RV			S1	G1G2	Y
<i>NESTICUS PAYNEI</i>	A CAVE SPIDER	RV			S2	G2G3	
<i>NESTICUS STYGIUS</i>	A CAVE OBLIGATE SPIDER				S2	G3	
<i>NESTICUS TENNESSEENSIS</i>	A CAVE-OBLIGATE SPIDER?	RV ER			S2S4	G2G4	
<i>NESTICUS VALENTINEI</i>	VALENTINE'S CAVE SPIDER	CU			S1S2	G1G2	Y
<i>PHALANGODES APPALACHIUS</i>	A CAVE OBLIGATE HARVESTMAN	CU			S3	G3G4	
<i>POECILOPHYSIS WEYERENSIS</i>	A CAVE MITE				S2S3	G3?	
<i>PORHOMMA CAVERNICOLA</i>	APPALACHIAN CAVE SPIDER				S1?	G4G5	
<i>ATHEROMASTER SP. 1</i>	A HARVESTMAN FROM CUMMINGS COVE CAVE	CU			S1	G1	
<i>TYRANNOCHTHONIUS FISKEI</i>	A CAVE OBLIGATE PSEUDOSCORPION	CU			S1S2	G1G2	
<i>TYRANNOCHTHONIUS STEEVESI</i>	A CAVE OBLIGATE PSEUDOSCORPION	ER			S1S2	G1G2	

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<b>CRUSTACEANS</b>							
<i>AMERGONISCUS NICHOLASI</i>	A CAVE OBLIGATE ISOPOD				S2S3	G3	
<i>AMERGONISCUS PAYNEI</i>	A CAVE OBLIGATE ISOPOD				S2S3	G3	
<i>BACTRURUS ANGULUS</i>	CUMBERLAND GAP CAVE AMPHIPOD				S1	G1	
<i>BARBICAMBARUS CORNUTUS</i>	BOTTLEBRUSH CRAYFISH				S2	G3G4	
<i>CAECIDOTEA BICRENATA WHITEI</i>	A CAVE OBLIGATE ISOPOD				S1?	G3G4T3T4	
<i>CAECIDOTEA CIRCULUS</i>	A CAVE OBLIGATE ISOPOD	SV CU			S1	G1G2	
<i>CAECIDOTEA INCURVA</i>	INCURVED CAVE ISOPOD	BR RV			S1	G2G3	
<i>CAECIDOTEA NICKAJACKENSIS</i>	NICKAJACK CAVE ISOPOD	CU			S1	G2G3	
<i>CAECIDOTEA NORTONI</i>	A CAVE OBLIGATE ISOPOD	CU			S1S2	G3	
<i>CAECIDOTEA SCYPHUS</i>	A CAVE OBLIGATE ISOPOD	CU			S1	G1G2	
<i>CAECIDOTEA STYGIA</i>	A CAVE ISOPOD				S1S2	G4G5	
<i>CAMBARUS BOUCHARDI</i>	BIG SOUTH FORK CRAYFISH	CU CM	E		S1	G2G3	
<i>CAMBARUS BRACHYDACTYLUS</i>	A CRAYFISH	WR			S2	G4	Y
<i>CAMBARUS CONASAUGAENSIS</i>	A CRAYFISH				S2S3	G3	
<i>CAMBARUS CRINIPES</i>	BOUCHARD'S CRAYFISH	CU			S3	G4	
<i>CAMBARUS CYMATILIS</i>	A CRAYFISH		E		S1	G1	
<i>CAMBARUS DEWEESAE</i>	VALLEY FLAME CRAYFISH		E		S1	G4	
<i>CAMBARUS EXTRANEUS</i>	CHICKAMAUGA CRAYFISH	RV	T		S1S2	G2	
<i>CAMBARUS GENTRYI</i>	A CRAYFISH				S3	G4	Y
<i>CAMBARUS HAMULATUS</i>	CAVE CRAYFISH	SV CU			S3	G2G3	
<i>CAMBARUS HIWASSEENSIS</i>	HIWASSEE CRAYFISH				S1	G3G4	
<i>CAMBARUS OBEYENSIS</i>	OBEY CRAYFISH	CU	T		S2	G2	Y
<i>CAMBARUS PRISTINUS</i>	A CRAYFISH	ER	E		S1	G1	Y
<i>CAMBARUS SP 1</i>	EMORY RIVER CRAYFISH	CU			S1?	G1?	
<i>CAMBARUS WILLIAMI</i>	"BRAWLEY'S FORK CRAYFISH"	CB ER	E		S1	G1	Y
<i>CYCLOPS CLANDESTINUS</i>	COPEPOD	ER			S1?	G?	
<i>DACTYLOCYTHERE STEEVESI</i>	A CAVE OBLIGATE SHRIMP				S2S3	G3G4	
<i>DIACYCLOPS CLANDESTINUS</i>	A CAVE OBLIGATE COPEPOD				S1S2	G3G4	
<i>DIACYCLOPS SP. 1</i>	INDIANA GROUNDWATER COPEPOD				S1	G1	
<i>DIACYCLOPS YEATMANI</i>	YEATMAN'S GROUNDWATER COPEPOD	ER CU			S1	G1	Y
<i>DONNALDSONCYTHERE TUBEROSA</i>	A CAVE OBLIGATE SHRIMP				S2?	G3G4	
<i>FALLICAMBARUS HORTONI</i>	HATCHIE BURROWING CRAYFISH	CP	E		S1	G1	Y
<i>LIGIDIUM ELRODII HANCOCKENSIS</i>	A CAVE OBLIGATE ISOPOD				S1?	G4G5T1T2	
<i>MIKTONISCUS BARRI</i>	A CAVE OBLIGATE ISOPOD				S2?	G3G4	
<i>ORCONECTES ALABAMENSIS</i>	A CRAYFISH	WR WU	D		S2	G5	
<i>ORCONECTES AUSTRALIS</i>	A CRAYFISH	CU ER			S3	G4	
<i>ORCONECTES BURRI</i>	A CRAYFISH	CP			S2S3	G2G3	
<i>ORCONECTES COOPERI</i>	A CRAYFISH				S1	G1	
<i>ORCONECTES INCOMPTUS</i>	TENNESSEE CAVE CRAYFISH	ER CB HR	E		S1	G1G2	Y
<i>ORCONECTES PELLUCIDUS</i>	EYELESS CRAYFISH	WR			S3	G3	
<i>ORCONECTES SHOUPPI</i>	NASHVILLE CRAYFISH	CB CM	LE	E	S1	G1	Y

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<b>CRUSTACEANS</b>							
<i>ORCONECTES WRIGHTI</i>	A CRAYFISH	WU		E	S1	G1	
<i>STYGOBROMUS ALABAMENSIS</i>	A CAVE OBLIGATE AMPHIPOD				S1S2	G4G5	
<i>STYGOBROMUS BARRYI</i>	A CAVE OBLIGATE AMPHIPOD	BR			S1	G1G2	
<i>STYGOBROMUS DICKSONI</i>	A CAVE OBLIGATE AMPHIPOD				S1S2	G3G4	
<i>STYGOBROMUS FECUNDUS</i>	A CAVE AMPHIPOD	BR			S1	G1G2	
<i>STYGOBROMUS FINLEYI</i>	FINLEY'S CAVE AMPHIPOD	RV			S1	G1G3	
<i>STYGOBROMUS NORTONI</i>	NORTON'S CAVE AMPHIPOD	ER RV			SH	G3	Y
<i>STYGOBROMUS SP 22</i>	SWAMP RIVER CAVE AMPHIPOD	ER CU			S1	G2	
<i>STYGOBROMUS SP. 24</i>	CAVE AMPHIPOD (OVERTON CO., TN)				S1	G1	
<i>STYGOBROMUS SPARSUS</i>	A CAVE OBLIGATE AMPHIPOD	BR			S1	G1G2	
<i>STYGOBROMUS VITREUS</i>	AN AMPHIPOD	WR			S1?	G3G4	
<b>INSECTS</b>							
<i>ALLOCAPNIA BROOKSI</i>	A STONEFLY	BR RV			S2	G2	
<i>ALLOCAPNIA CUNNINGHAMI</i>	A STONEFLY	WR			S1	G1	
<i>ALLOCAPNIA PERPLEXA</i>	A STONEFLY	CB			S1	G1	
<i>ALLOCAPNIA SEQUATCHIE</i>	A STONEFLY				S2?	G3G4	Y
<i>ALOCONOTA DIVERSISETA</i>	A ROVE BEETLE	CU			S1	G1	
<i>ANILLINUS SP. 5</i>	FLAG TRAIL CAVE BEETLE				S1	G1	
<i>ARRHOPALITES SP. 4</i>	A CAVE SPRINGTAIL	CU			S1	G1	
<i>ATHETA LUCIFUGA</i>	A ROVE BEETLE	CU			S2	G3	
<i>BATRIASYMMODES GREEVERI</i>	A CAVE OBLIGATE BEETLE				S1S2	G1G2	
<i>BATRIASYMMODES JEANNELI</i>	A CAVE OBLIGATE BEETLE				S1S2	G3	
<i>BATRIASYMMODES QUISNAMUS</i>	A CAVE OBLIGATE BEETLE				S2?	G3G4	
<i>BATRIASYMMODES SPELAEUS</i>	A CAVE OBLIGATE BEETLE				S2?	G3G4	
<i>BATRISODES BARRI</i>	A CAVE OBLIGATE BEETLE	WR			S1S2	G1G2	
<i>BATRISODES CLYPEOSPECUS</i>	A CAVE OBLIGATE BEETLE	CU ER			S1S2	G1G2	
<i>BATRISODES FERULIFER</i>	A CAVE OBLIGATE BEETLE	CB			S1S2	G1G2	
<i>BATRISODES GEMMOIDES</i>	A CAVE OBLIGATE BEETLE	WR			S1S2	G1G2	
<i>BATRISODES GEMMUS</i>	A CAVE OBLIGATE BEETLE	WR			S1S2	G1G2	
<i>BATRISODES PANNOSUS</i>	A CAVE OBLIGATE BEETLE	ER			S1S2	G1G2	
<i>BATRISODES SUBTERRANEUS</i>	A BEETLE				S1S2	G1G2	
<i>BATRISODES VALENTINEI</i>	A BEETLE				S1?	G3G4	
<i>CERATOPSYCHE ETNIERI</i>	BUFFALO SPRINGS CADDISFLY				S1S3	G1G3	Y
<i>CHEUMATOPSYCHE HELMA</i>	HELMA'S CHEUMATOPSYCHE CADDISFLY	BR			S1S3	G1G3	
<i>DARLINGTONEA KENTUCKENSIS</i>	A GROUND BEETLE				S1?	G3G4	
<i>EPEORUS SUBPALLIDUS</i>	A MAYFLY				S1	G1	
<i>FOLSOMIA SP.2 NR. MACROCHAETA</i>	A SPRINGTAIL FROM INDIAN CAVE	ER			S1	G1	
<i>GLYPHOPSYCHE SEQUATCHIE</i>	"SEQUATCHIE CADDISFLY"	SV	C		S1	G1	Y
<i>GOMPHUS CONSANGUIS</i>	CHEROKEE CLUBTAIL DRAGONFLY	RV			S1	G2G3	
<i>GOMPHUS SANDRIUS</i>	TENNESSEE CLUBTAIL DRAGONFLY	CB			S1	G1	Y

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<b>INSECTS</b>							
<i>GOMPHUS SEPTIMA</i>	SEPTIMA'S CLUBTAIL				SR	G2	
<i>HABROPHLEBIODES CELETERIA</i>	A MAYFLY				S2	G2	
<i>HADENOECUS OPILIONIDES</i>	A CAVE CRICKET	ER CU			S2?	G3	Y
<i>HESPERIA SASSACUS</i>	INDIAN SKIPPER				S1?	G5	
<i>HYDROPTILA DECIA</i>	KNOXVILLE HYDROPTILAN MICRO CADDISFLY				S1S3	G1G3	Y
<i>HYPOGASTRURA SP. 1</i>	A VIATICA GROUP SPRINGTAIL	CU			S1	G1	
<i>LITOCAMPA JONESI</i>	A BRISTLETAIL				S1?	G2G3	
<i>LITOCAMPA SP. 5</i>	RUMBLING FALLS CAVE DIPLURAN	ER CU			S1	G2	
<i>LITOCAMPA SP. 6</i>	BUFFALO COVE CAVE DIPLURAN				S1	G1	Y
<i>LITOCAMPA SP. 7</i>	MILL HOLLOW CAVE DIPLURAN				S1	G1	
<i>LITOCAMPA SP. 8</i>	MOUNTAIN EYE CAVE DIPLURAN				S1	G1	
<i>LITOCAMPA VALENTINEI</i>	A CAVE OBLIGATE BRISTLETAIL				S1S2	G3G4	
<i>LUPERINA TRIGONA</i>	A NOCTUID MOTH				SR	GU	
<i>MACROMIA MARGARITA</i>	MOUNTAIN RIVER CRUISER	BR			S2S3	G3	
<i>MEGALEUCTRA WILLIAMSÆ</i>	WILLIAMS' RARE WINTER STONEFLY				S1S2	G2	
<i>NEANURA SP 1</i>	SWAMP RIVER CAVE NEANURA	ER			S1	G1	
<i>NELSONITES WALTERI</i>	A CAVE OBLIGATE BEETLE	CU			S3	G3	
<i>NICROPHORUS AMERICANUS</i>	AMERICAN BURYING BEETLE		LE		SH	G2G3	
<i>ONYCHIURUS SP 2</i>	SWAMP RIVER CAVE ONYCHIURUS	ER			S1	G1	
<i>OPHIOGOMPHUS ACUMINATUS</i>	TENNESSEE SNAKETAIL	WR WU			S2	G3	
<i>OPHIOGOMPHUS ALLEGHANIENSIS</i>	ALLEGHANY SNAKETAIL	RV BR CU			S1	G3Q	
<i>OPHIOGOMPHUS EDMUNDO</i>	EDMUND'S SNAKETAIL	BR			S1	G1G2	
<i>OPHIOGOMPHUS HOWEI</i>	HOWE'S DRAGONFLY				S3?	G3	
<i>PARALEPTOPHLEBIA KIRCHNERI</i>	A MAYFLY				S1	G1	
<i>PLAUDITUS GRANDIS</i>	A MAYFLY				S1	G1	
<i>PLAUDITUS VETERIS</i>	A MAYFLY				S2	G2	
<i>PSEUDANOPHTHALMUS ACHERONTIS</i>	ECHO CAVE BEETLE	CB			S1S2	G1G2	Y
<i>PSEUDANOPHTHALMUS BEAKLEYI</i>	A CAVE OBLIGATE BEETLE				S3	G3G4	
<i>PSEUDANOPHTHALMUS BENDERMANI</i>	BENDERMAN'S CAVE BEETLE	CB			S1S2	G1G2	Y
<i>PSEUDANOPHTHALMUS CATHERINAE</i>	CATHERINE'S CAVE BEETLE	CB			S1	G1G2	Y
<i>PSEUDANOPHTHALMUS CILIARIS CILIARIS</i>	A CAVE OBLIGATE BEETLE				S1S2	G3G4T1T2	
<i>PSEUDANOPHTHALMUS CILIARIS COLEMANENSIS</i>	A CAVE OBLIGATE BEETLE				S1	G3G4T1T2	Y
<i>PSEUDANOPHTHALMUS CILIARIS ORLINDAE</i>	A CAVE OBLIGATE BEETLE				S1S2	G3G4T1T2	
<i>PSEUDANOPHTHALMUS DIGITUS</i>	A CAVE OBLIGATE BEETLE				S2	G3G4	
<i>PSEUDANOPHTHALMUS ENGELHARTI</i>	ENGELHART'S CAVE BEETLE	RV			S1	G1G2	Y
<i>PSEUDANOPHTHALMUS FARRELLI</i>	A CAVE OBLIGATE BEETLE	ER			S1S2	G1G2	
<i>PSEUDANOPHTHALMUS FOWLERAE</i>	FOWLER'S CAVE BEETLE	ER			S1	G1G2	Y
<i>PSEUDANOPHTHALMUS FULLERI</i>	A GROUND BEETLE				S2S3	G3G4	
<i>PSEUDANOPHTHALMUS HESPERUS</i>	A CAVE OBLIGATE BEETLE	WR			S1	G1G2	

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<b>INSECTS</b>							
<i>PSEUDANOPHTHALMUS HIRSUTUS</i>	LEE COUNTY CAVE BEETLE				S1	G1	
<i>PSEUDANOPHTHALMUS HUMERALIS</i>	A GROUND BEETLE				S2	G3	
<i>PSEUDANOPHTHALMUS INQUISITOR</i>	SEARCHER CAVE BEETLE	ER	C		S1	G1G2	Y
<i>PSEUDANOPHTHALMUS INSULARIS</i>	BAKER STATION CAVE BEETLE	CB			S1	G1G2	Y
<i>PSEUDANOPHTHALMUS JONESI</i>	GRASSY COVE CAVE BEETLE	CU			S1S2	G1G2	Y
<i>PSEUDANOPHTHALMUS LOGANENSIS</i>	A CAVE OBLIGATE BEETLE	WR			S1S2	G1G2	
<i>PSEUDANOPHTHALMUS LONGICEPS</i>	LONG-HEADED CAVE BEETLE	RV			S1	G1	
<i>PSEUDANOPHTHALMUS MACRADEI</i>	A CAVE OBLIGATE BEETLE	CU			S1S2	G1G2	
<i>PSEUDANOPHTHALMUS NICKAJACKENSIS</i>	NICKAJACK CAVE BEETLE	CU			S1	G3G4	
<i>PSEUDANOPHTHALMUS NORTONI</i>	NORTON'S CAVE BEETLE	RV			S1	G1G2	Y
<i>PSEUDANOPHTHALMUS OCCIDENTALIS</i>	WESTERN CAVE BEETLE	WR			S1	G1G2	Y
<i>PSEUDANOPHTHALMUS PALLIDUS</i>	PALE CAVE BEETLE	RV			S1S2	G1G2	Y
<i>PSEUDANOPHTHALMUS PARADOXUS</i>	RIDGETOP CAVE BEETLE	RV			S1	G1G2	Y
<i>PSEUDANOPHTHALMUS PAULUS</i>	NOBLETT'S CAVE BEETLE	RV			S1	G1G2	Y
<i>PSEUDANOPHTHALMUS PAYNEI</i>	PAYNE'S CAVE BEETLE	RV			S1S2	G1G2	Y
<i>PSEUDANOPHTHALMUS PUSILLUS</i>	TINY CAVE BEETLE	RV			S1	G1G2	Y
<i>PSEUDANOPHTHALMUS ROBUSTUS</i>	A CAVE OBLIGATE BEETLE	ER CU			S3	G3	
<i>PSEUDANOPHTHALMUS ROTUNDATUS</i>	A GROUND BEETLE	RV			S1S2	G1G3	
<i>PSEUDANOPHTHALMUS SCUTILUS</i>	A CAVE OBLIGATE BEETLE	CM			S1	G1G2	
<i>PSEUDANOPHTHALMUS SIDUS</i>	MEREDITH CAVE BEETLE	RV			S1	G1G2	Y
<i>PSEUDANOPHTHALMUS SIMPLEX</i>	SIMPLE CAVE BEETLE	ER			S1S2	G1G2	Y
<i>PSEUDANOPHTHALMUS SP 27</i>	RUMBLING FALLS CAVE BEETLE	CU			S1	G1	
<i>PSEUDANOPHTHALMUS SP. 28</i>	A CAVE BEETLE				S1	G2?	
<i>PSEUDANOPHTHALMUS SP. 29</i>	FALLING SPRINGS CAVE BEETLE				S1	G2?	Y
<i>PSEUDANOPHTHALMUS SP. 30</i>	ACE IN THE HOLE CAVE BEETLE				S1	G2?	Y
<i>PSEUDANOPHTHALMUS TEMPLETONI</i>	A CAVE OBLIGATE BEETLE	CU			S1S2	G1G2	
<i>PSEUDANOPHTHALMUS TENNESSEENSIS</i>	A CAVE OBLIGATE BEETLE				S2	G3	
<i>PSEUDANOPHTHALMUS TIRESIAS</i>	INDIAN GRAVE POINT CAVE BEETLE	ER			S1	G1G2	Y
<i>PSEUDANOPHTHALMUS TULLAHOMA</i>	DUCK RIVER CAVE BEETLE	CB			S1	G1G2	Y
<i>PSEUDANOPHTHALMUS UNIONIS</i>	UNION COUNTY CAVE BEETLE	RV			S1	G1G2	Y
<i>PSEUDANOPHTHALMUS VANBURENSIS</i>	A CAVE OBLIGATE BEETLE	ER			S1S2	G1G2	
<i>PSEUDANOPHTHALMUS VENTUS</i>	BLOWING CAVE BEETLE	SV			S1	G1G2	Y
<i>PSEUDANOPHTHALMUS WALLACEI</i>	WALLACE'S CAVE BEETLE	RV			S1	G1G2	Y
<i>PSEUDOSINELLA AERA</i>	A CAVE OBLIGATE SPRINGTAIL	ER			S1	G2	
<i>PSEUDOSINELLA CHRISTIANSENI</i>	A CAVE OBLIGATE SPRINGTAIL	CU			S2	G4G5	
<i>PSEUDOSINELLA HIRSUTA</i>	A SPRINGTAIL	CU			S2S3	G2G4	
<i>PSEUDOSINELLA ORBA</i>	A CAVE SPRINGTAIL				S3S4	G4G5	
<i>PSEUDOSINELLA SP 5</i>	SWAMP RIVER CAVE				S1	G1	
<i>PSEUDOSINELLA SP. 6</i>	PSEUDOSINELLA						
	A SPRINGTAIL FROM INDIAN CAVE	ER			S1	G1	

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<b>INSECTS</b>							
<i>PSEUDOSINELLA SP. 7 NR. NATA</i>	A SPRINGTAIL FROM UPPER CUMMINGS COVE CAVE	CU			S1	G1	
<i>PSEUDOSINELLA SPINOSA</i>	A CAVE OBLIGATE SPRINGTAIL	ER CU			S2?	G3G4	
<i>PTOMAPHAGUS BARRI</i>	A CAVE OBLIGATE BEETLE	ER			S1S2	G1G2	
<i>PTOMAPHAGUS CHROMOLITHUS</i>	A CAVE OBLIGATE BEETLE				S1?	G2G3	
<i>PTOMAPHAGUS FECUNDUS</i>	A CAVE OBLIGATE BEETLE	ER			S1	G1G2	
<i>PTOMAPHAGUS HUBRICHTI</i>	A CAVE OBLIGATE BEETLE				S1	G2G3	
<i>SINELLA BASIDENS</i>	A CAVE OBLIGATE SPRINGTAIL				S1?	G3G4	
<i>SINELLA CAVERNARUM</i>	A SPRINGTAIL				S2?	G4G5	
<i>SINELLA HOFFMANI</i>	HOFFMAN'S SPRINGTAIL				S1S2	G4G5	
<i>SPEYERIA DIANA</i>	DIANA FRITILLARY	BR			S3	G3	
<i>STENONEMA SINCLAIRI</i>	A MAYFLY				S2	G2	
<i>STYLURUS NOTATUS</i>	ELUSIVE OR MARKED CLUBTAIL				S3	G3	
<i>STYLURUS TOWNESI</i>	BRONZE CLUBTAIL DRAGONFLY				S3?	G3	
<i>TICHOBYTHINUS STRINATII</i>	A CAVE OBLIGATE BEETLE	CU			S1S2	G1G2	
<i>TRECHUS APICALIS</i>	A CARABID BEETLE				S2?	GNR	
<i>TRECHUS BOWLINGI</i>	A CARABID BEETLE				S2S3	GNR	
<i>TRECHUS CALIGINIS</i>	A CARABID BEETLE				S1	GNR	
<i>TRECHUS CUMBERLANDUS</i>	CUMBERLAND GROUND BEETLE	CU			S2	G2	
<i>TRECHUS HAOE</i>	A CARABID BEETLE				S2	GNR	
<i>TRECHUS HYDROPICUS</i>	A CARABID BEETLE				S2S3	GNRTNR	
<i>BEUTENMUELLERI</i>							
<i>TRECHUS INEXPECTATUS</i>	A CARABID BEETLE				S1	GNR	
<i>TRECHUS LUCULENTUS LUCULENTUS</i>	A CARABID BEETLE				S3	GHTH	
<i>TRECHUS LUCULENTUS UNICOI</i>	A CARABID BEETLE				S3	GHTH	
<i>TRECHUS NEBULOSUS</i>	A CARABID BEETLE				S3	GNR	
<i>TRECHUS NOVACULOSUS</i>	A CARABID BEETLE				S2	GH	
<i>TRECHUS ROANICUS</i>	A CARABID BEETLE				S1	GH	
<i>TRECHUS STUPKAI</i>	A CARABID BEETLE				S1	GNR	Y
<i>TRECHUS TALEQUAH</i>	A CARABID BEETLE				S1	GNR	
<i>TRECHUS TENNESSEENSIS TAURICUS</i>	A CARABID BEETLE				S1	GNRTNR	Y
<i>TRECHUS TENNESSEENSIS</i>	A CARABID BEETLE				S1	GNRTNR	Y
<i>TENNESSEENSIS</i>							
<i>TRECHUS TONITRU</i>	A CARABID BEETLE				S1	GNR	Y
<i>TRECHUS TUCKALEECHEE</i>	A CARABID BEETLE				S2	GNR	Y
<i>TRECHUS UNCIFER</i>	A CARABID BEETLE				S2	GNR	
<i>TRECHUS VALENTINEI</i>	A CARABID BEETLE				S1	GNR	
<i>TRECHUS VANDYKEI</i>	A CARABID BEETLE				S3?	GNR	
<i>TRECHUS VERUS</i>	A CARABID BEETLE				S1	GNR	
<i>TRIACANTHELLA COPELANDI</i>	COPELAND'S SPRINGTAIL	CU			S1	G1	
<b>MOLLUSCS</b>							
<i>ALASMIDONTA ATROPURPUREA</i>	CUMBERLAND ELKTOE	CU ER	LE	E	S1S2	G1G2	
<i>ALASMIDONTA RAVENELIANA</i>	APPALACHIAN ELKTOE	BR	LE	E	S1	G1	

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<b>MOLLUSCS</b>							
<i>ANGUISPIRA KOCHI</i>	BANDED GLOBE				S2?	G?	
<i>ANGUISPIRA PICTA</i>	PAINTED DISC	CU	LT	E	S1	G1	Y
<i>CARYCHIUM STYGIUM</i>	CAVE THORN	WR			S2	G3G4	
<i>CUMBERLANDIA MONODONTA</i>	SPECTACLECASE	RV CB WU SV WR			S2S3	G2G3	
<i>CYPROGENIA STEGARIA</i>	EASTERN FANSHELL PEARLY MUSSEL	RV WU CB WV	LE	E	S1	G1	
<i>DAEDALOCHILA AURIFORMIS</i>	ROCKPILE LIPTOOTH	ER			S1	G?	
<i>DISCUS BRYANTI</i>	SAW-TOOTHED DISC	BR			S1S2	G?	
<i>DISCUS CLAPPI</i>	CHANNELLED DISC	ER			S1	G1?	
<i>DROMUS DROMAS</i>	DROMEDARY PEARLYMUSSEL	RV CB SV ER	LE	E	S1	G1	
<i>ELIMIA ACUTA</i>	ACUTE ELIMIA				S1	G1	
<i>ELIMIA ARACHNOIDEA</i>	SPIDER ELIMIA				S2	G3	
<i>ELIMIA ATERINA</i>	COAL ELIMIA				S1	G1	Y
<i>ELIMIA INTERRUPTA</i>	KNOTTY ELIMIA	BR			S1	G1	
<i>ELIMIA STRIATULA</i>	FILE ELIMIA				S2	GU	
<i>ELIMIA STRIGOSA</i>	BROOK ELIMIA				S1	G1	Y
<i>ELIMIA TERES</i>	ELEGANT ELIMIA				S1	G1	Y
<i>ELIMIA TROOSTIANA</i>	MOSSY ELIMIA				S1	G1	Y
<i>ELLIPTIO ARCA</i>	ALABAMA SPIKE				S2	G3Q	
<i>ELLIPTIO ARCTATA</i>	DELICATE SPIKE				S2	G3G4	
<i>EPIOBLASMA BREVIDENS</i>	CUMBERLANDIAN COMBSHELL	RV CB CU	LE	E	S1	G1	
<i>EPIOBLASMA CAPSAEFORMIS</i>	OYSTER MUSSEL	RV CB	LE	E	S1	G1	
<i>EPIOBLASMA FLORENTINA WALKERI</i>	TAN RIFFLESHELL	CB RV CU BR	LE	E	S1	G1T1	
<i>EPIOBLASMA METASTRIATA</i>	UPLAND COMBSHELL	RV	LE	E	SH	GH	
<i>EPIOBLASMA OBLIQUATA OBLIQUATA</i>	CATPAW OR PURPLE CAT'S PAW	CB	LE	E	S1	G1T1	
<i>EPIOBLASMA OTHCALOOGENSIS</i>	PEARLYMUSSEL						
<i>EPIOBLASMA OTIQUETRA</i>	SOUTHERN ACORNSHELL		LE	E	SH	GHQ	
<i>EUCHEMOTREMA FRATERNUM</i>	SNUFFBOX	RV CB			S3	G3	
<i>MONTANUM</i>	A PILLSNAIL	BR			S2	G5T2	
<i>FUMONELIX ARCHERI</i>	OCOEE COVERT	BR			S1	G?	
<i>FUMONELIX CHRISTYI</i>	GLOSSY COVERT	BR			S2	G3	
<i>FUMONELIX JONESIANA</i>	BIG-TOOTHED COVERT (=NEWFOUND GAP HELIX)	BR			S1	G?	
<i>FUMONELIX WETHERBYI</i>	CLIFTY COVERT				S3	G?	
<i>FUMONELIX WHEATLEYI</i>	CINNAMON COVERT	BR			S3	G4	
<i>FUMONELIX WHEATLEYI</i>	CLINGMAN COVERT				S2S3	G4T3T4	
<i>CLINGMANICUS</i>							
<i>FUSCONAIA COR</i>	SHINY PIGTOE	CB RV	LE	E	S1	G1	
<i>FUSCONAIA CUNEOLUS</i>	FINE-RAYED PIGTOE	CB RV CU	LE	E	S1	G1	
<i>GLYPHYALINIA JUNALUSKANA</i>	DARK GLYPH				S2?	G?	
<i>GLYPHYALINIA OCOAE</i>	BLUE-GRAY GLYPH	BR			S2	G?	
<i>GLYPHYALINIA PENTADELPHIA</i>	PINK GLYPH	BR			S2	G?	
<i>GLYPHYALINIA VANATTAI</i>	HONEY GLYPH	BR			S2S3	G?	
<i>HELICODISCUS FIMBRIATUS</i>	FRINGED COIL	BR			S3	G?	

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<b>MOLLUSCS</b>							
<i>HELICODISCUS HADENOECUS</i>	CRICKET COIL	CU ER			S3	G?	
<i>HELICODISCUS HEXODON</i>	TOOTHY COIL	CU			S1	G?	
<i>HELICODISCUS NOTIUS SPECUS</i>	A LAND SNAIL	RV			S1?	G5T?	
<i>HELICODISCUS PUNCTATELLUS</i>	PUNCTATE COIL	ER			S1	G?	
<i>HEMISTENA LATA</i>	CRACKING PEARLYMUSSEL	CB WU RV WR	LE	E	S1	G1	
<i>INFLECTARIUS SMITHI</i>	ALABAMA SHAGREEN	CU			S2?	G?	
<i>INFLECTARIUS SUBPALLIATUS</i>	VELVET COVERT	BR			S2S3	G?	
<i>IO FLUVIALIS</i>	SPINY RIVERSNAIL	RV CU			S2	G2	
<i>LAMPSILIS ABRUPTA</i>	PINK MUCKET	WU RV SV CB WR ER WV	LE	E	S2	G2	
<i>LAMPSILIS ALTILIS</i>	FINE-LINED POCKETBOOK	RV BR	LT	T	S1S2	G2	
<i>LAMPSILIS VIRESSENS</i>	ALABAMA LAMP MUSSEL	RV CU	LE	E	S1	G1	
<i>LASMIGONA HOLSTONIA</i>	TENNESSEE HEELSLITTER				S2	G3	
<i>LASMIGONA SP. 1 CF. HOLSTONIA</i>	BARRENS BANKCLIMBER				S1	G?	
<i>LASMIGONA SUBVIRIDIS</i>	GREEN FLOATER				S2	G3	
<i>LEMIOX RIMOSUS</i>	BIRDWING PEARLYMUSSEL	CB RV WR	LE	E	S1	G1	
<i>LEPTOXIS CRASSA ANTHONYI</i>	ANTHONY'S RIVER SNAIL	RV SV CU	LE	E	S1	G1T1	
<i>LEPTOXIS UMBILICATA</i>	UMBILICATE ROCKSNAIL	CB ER			S1	G1	
<i>LEPTOXIS VIRGATA</i>	SMOOTH MUDALIA	BR			S1	G2	
<i>LEXINGTONIA DOLABELLOIDES</i>	SLABSIDE PEARLYMUSSEL	CB RV BR ER WR	C		S2	G2	
<i>LITHASIA ARMIGERA</i>	ARMORED ROCKSNAIL	ER CB			S1S2	G3G4	
<i>LITHASIA DUTTONIANA</i>	HELMET ROCKSNAIL	CB WR ER			S2	G2	
<i>LITHASIA GENICULATA FULIGINOSA</i>	GENICULATE RIVER SNAIL	ER WR CB			S3	G3G4TU	
<i>LITHASIA GENICULATA PINGUIS</i>	SMALL GENICULATE RIVER SNAIL	ER CB			S3	G3G4T?	
<i>LITHASIA LIMA</i>	WARTY ROCKSNAIL	CB ER			S2	G2	
<i>LITHASIA SALEBROSA</i>	RUSTIC ROCKSNAIL	CB WR WU			S2	G3G4	
<i>MEDIONIDUS ACUTISSIMUS</i>	ALABAMA MOCASSINSHELL	RV	LT	T	S1	G1	
<i>MEDIONIDUS PARVULUS</i>	COOSA MOCASSINSHELL	RV BR	LE	E	S1	G1	
<i>MESODON SANUS</i>	SQUAT GLOBELET	CU			S2S3	G?	
<i>OBOVARIA JACKSONIANA</i>	SOUTHERN HICKORYNUT	CP			S1	G1G2	
<i>OBOVARIA RETUSA</i>	RING PINK	WU CB WR RV	LE	E	S1	G1	
<i>OBOVARIA SUBROTUNDA</i>	ROUND HICKORYNUT	CB RV			S2S3	G4	
<i>PALLIFERA HEMPHILLI</i>	BLACK MANTLESslug				S2S3	G3	
<i>PARAVITREA ALETHIA</i>	TRUE SUPERCOIL				S1?	G?	
<i>PARAVITREA CALCICOLA</i>	PEARL SUPERCOIL				S1?	G?	
<i>PARAVITREA CLAPPI</i>	MIREY RIDGE SUPERCOIL	BR			S2S3	G?	
<i>PARAVITREA LAMELLIDENS</i>	LAMELLATE SUPERCOIL	BR			S2	G?	
<i>PARAVITREA REESI</i>	ROUND SUPERCOIL				S1S2	G3	
<i>PARAVITREA SIGNIFICANS</i>	DOMED SUPERCOIL				S1S2	G?	
<i>PARAVITREA TERNARIA</i>	SCULPTED SUPERCOIL				S1S2	G?	
<i>PARAVITREA TRIDENS</i>	WHITE-FOOT SUPERCOIL	BR RV			S2	G?	
<i>PARAVITREA VARIABILIS</i>	VARIABLE SUPERCOIL	CU			S2S3	G?	
<i>PARAVITREA VARIDENS</i>	ROAN SUPERCOIL				S1S2	G?	
<i>PEGIAS FABULA</i>	LITTLE-WING PEARLYMUSSEL	ER RV CB WR CU	LE	E	S1	G1	

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<b>MOLLUSCS</b>							
<i>PILSBRYNA AUREA</i>	ORNATE BUD	BR			S1	G?	
<i>PILSBRYNA CASTANEA</i>	PROMINENT BUD				S2	G?	
<i>PLETHOBASUS CICATRICOSUS</i>	WHITE WARTYBACK	RV CB WU	LE	E	S1	G1	
<i>PLETHOBASUS COOPERIANUS</i>	ORANGE-FOOT PIMPLEBACK	CB WU RV WR	LE	E	S1	G1	
<i>PLETHOBASUS CYPHYUS</i>	SHEEPNOSE	RV			S2S3	G3	
<i>PLEUROBEMA CHATTANOOGAENSE</i>	PAINTED CLUBSHELL	BR	C		S1?	G1	
<i>PLEUROBEMA CLAVA</i>	CLUBSHELL	WU CB WR	LE	E	SH	G2	
<i>PLEUROBEMA DECISUM</i>	SOUTHERN CLUBSHELL		LE	E	S1	G1G2	
<i>PLEUROBEMA GEORGIANUM</i>	SOUTHERN PIGTOE	RV BR	LE	E	S1	G1	
<i>PLEUROBEMA GIBBERUM</i>	CUMBERLAND PIGTOE	ER CU	LE	E	S1	G1	Y
<i>PLEUROBEMA HANLEYANUM</i>	GEORGIA PIGTOE	BR	C		S1	G1	
<i>PLEUROBEMA JOHANNIS</i>	ALABAMA PIGTOE				S1?	GH	
<i>PLEUROBEMA OVIFORME</i>	TENNESSEE CLUBSHELL	RV ER CB WR CU BR			S2S3	G3	
<i>PLEUROBEMA PEROVATUM</i>	OVATE CLUBSHELL	RV	LE	E	SH	G1	
<i>PLEUROBEMA PLENUM</i>	ROUGH PIGTOE	RV CB WR WU WV	LE	E	S1	G1	
<i>PLEUROBEMA RUBRUM</i>	PYRAMID PIGTOE	RV CB			S1S2	G2	
<i>PLEUROBEMA TROSCHELIANUM</i>	ALABAMA CLUBSHELL	RV	C		S1	G1	
<i>PLEUROCERA ALVEARE</i>	RUGGED HORNSNAIL				S2	G3G4	
<i>PLEUROCERA CORPULENTA</i>	CORPULENT HORNSNAIL				S1	G1	
<i>PLEUROCERA CURTA</i>	SHORTSPIRE HORNSNAIL				S2	G2	
<i>PLEUROCERA TROCHIFORMIS</i>	SULCATE HORNSNAIL				S2	G2	
<i>PLEUROCERA WALKERI</i>	TELESCOPE HORNSNAIL				S1	G1	
<i>PTYCHOBRANCHUS GREENII</i>	TRIANGULAR KIDNEYSHELL	RV BR	LE	E	S1	G1	
<i>PTYCHOBRANCHUS SUBTENTUM</i>	FLUTED KIDNEYSHELL	CB RV ER	C		S2S3	G2G3	
<i>PYRGULOPSIS OGMORHAPHE</i>	ROYAL SNAIL (= ROYAL MARSTONIA)	SV	LE	E	S1	G1	Y
<i>QUADRULA CYLINDRICA CYLINDRICA</i>	RABBITSFOOT	CB WU WR RV			S3	G3T3	
<i>QUADRULA CYLINDRICA STRIGILLATA</i>	ROUGH RABBITSFOOT PEARLY MUSSEL	RV	LE	E	S2	G3T2	
<i>QUADRULA FRAGOSA</i>	WINGED MAPLELEAF		LE	E	S1	G1	
<i>QUADRULA INTERMEDIA</i>	CUMBERLAND MONKEYFACE	CB RV	LE	E	S1	G1	
<i>QUADRULA SPARSA</i>	APPALACHIAN MONKEYFACE	RV CB	LE	E	S1	G1	
<i>RHODACME ELATIOR</i>	DOMED ANCYLID				S1	G1	
<i>SIMPSONAIAS AMBIGUA</i>	SALAMANDER MUSSEL				S1	G3	
<i>SOMATOGYRUS AUREUS</i>	GOLDEN PEBBLESNAIL	CU			S1?	GH	
<i>SOMATOGYRUS PARVULUS</i>	SPARROW PEBBLESNAIL				SR	GU	Y
<i>SOMATOGYRUS SP 2</i>	"HIWASSEE" PEBBLESNAIL	BR			S1	G1	P
<i>SOMATOGYRUS TENNESSEENSIS</i>	OPAQUE PEBBLESNAIL				S1	GH	
<i>STENOTREMA ALTISPIRA</i>	HIGHLAND SLITMOUTH	BR			S2?	G3	
<i>STENOTREMA ANGELLUM</i>	KENTUCKY SLITMOUTH				S3	G?	
<i>STENOTREMA COHUTTENSE</i>	COHUTTA SLITMOUTH	BR			S2	G?	
<i>STENOTREMA EDGARIANUM</i>	SEQUATCHIE SLITMOUTH	CU			S3	G?	
<i>STRIATURA EXIGUA</i>	RIBBED STRIATE	BR			S1	G4G5	

## Invertebrates

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<b>MOLLUSCS</b>							
<i>STROPHITUS CONNASSAUGAENSIS</i>	ALABAMA CREEKMUSSEL	BR RV			S1	G3	
<i>TOXOLASMA CYLINDRELLUS</i>	PALE LILLIPUT	ER SV CB WR CU	LE	E	S1	G1	
<i>TOXOLASMA LIVIDUS</i>	PURPLE LILLIPUT	ER CB CU			S1S2	G2	
<i>TRIODOPSIS ANTERIDON</i>	BUTTRESS THREETOOTH	BR			S1S2	G3	
<i>TRIODOPSIS CLAIBORNENSIS</i>	CLAIRBORNE THREE-TOOTH	WR			S3S4	G?	
<i>TRIODOPSIS COMPLANATA</i>	GLOSSY THREE-TOOTH				S2?	G?	
<i>VENTRIDENS COELAXIS</i>	BIDENTATE DOME	RV BR			S2S3	G3	
<i>VERTIGO BOLLESIANA</i>	DELICATE VERTIGO				S2	G3	
<i>VERTIGO CLAPPI</i>	CUPPED VERTIGO	ER BR			S1	G1G2	
<i>VERTIGO PARVULA</i>	SMALL-MOUTH VERTIGO	BR			S2S3	G3	
<i>VERTIGO PYGMAEA</i>	CRESTED VERTIGO	CU			S1	G5	
<i>VERTIGO TESKEYAE</i>	SWAMP VERTIGO	WR			S1	G4	
<i>VILLOSA FABALIS</i>	RAYED BEAN	CB RV			S1	G1G2	
<i>VILLOSA NEBULOSA</i>	ALABAMA RAINBOW				S2	G3	
<i>VILLOSA PERPURPUREA</i>	PURPLE BEAN	RV CU	LE	E	S1	G1	
<i>VILLOSA TRABALIS</i>	CUMBERLAND BEAN	CB ER BR RV CU	LE	E	S1	G1	
<i>VILLOSA VANUXEMENSIS UMBRANS</i>	COOSA CREEKSHELL				S2	G4T2	
<i>VILLOSA VIBEX</i>	SOUTHERN RAINBOW	CP BR RV			S2	G4Q	
<i>WEBBHELIX MULTILINEATA</i>	STRIPED WHITELIP (=T. WEBBHELIX)	MF			S1	G?	
<i>ZONITOIDES LATEUMBILICATUS</i>	STRIATE GLOSS	CU			S2?	G?	
<b>Other types</b>							
<i>CALOHYPHSIUS SCHUSTERI</i>	SCHUSTER'S TARDIGRADE	BR			S1	G?	
<i>CAMBARINCOLA ALIENUS</i>	A CAVE OBLIGATE WORM	CU			S1	G1G2	
<i>CAMBARINCOLA LEPTADENUS</i>	A CAVE OBLIGATE WORM	WR			S1	G1G2	
<i>CAMBARINCOLA MARTHAE</i>	A CAVE OBLIGATE WORM	ER			S1	G1G2	
<i>CHAETASPIS MOLLIS</i>	A CAVE MILLIPEDE	CU			S1	G1	
<i>CHAETASPIS SP 1</i>	THUNDER RUN CAVE MILLIPEDE	ER			S1	G1	
<i>DELOPHON HOLTI</i>	HAMBLEN COUNTY MILLIPEDE				S1	GNR	Y
<i>HYPHSIUS ROANENSIS</i>	ROAN TARDIGRADE	BR			S1	G?	
<i>PSEUDOTREMIA ACHERON</i>	A CAVE OBLIGATE MILLIPEDE				S1	G3	
<i>PSEUDOTREMIA CERCOPS</i>	A CAVE OBLIGATE MILLIPEDE	ER			S1	G1G2	
<i>PSEUDOTREMIA DEPREHENDOR</i>	A CAVE OBLIGATE MILLIPEDE				S1?	G3	
<i>PSEUDOTREMIA LETHE</i>	A CAVE OBLIGATE MILLIPEDE	ER			S1	G1G2	
<i>PSEUDOTREMIA LICTOR</i>	A CAVE OBLIGATE MILLIPEDE	ER			S1	G1G2	
<i>PSEUDOTREMIA NODOSA</i>	A MILLIPEDE				S2S3	G3G5	
<i>PSEUDOTREMIA RHADAMANTHUS</i>	A CAVE OBLIGATE MILLIPEDE				S1?	G3G4	
<i>PSEUDOTREMIA SP. 4</i>	WALLACE'S CAVE MILLIPEDE				S1	G1	
<i>PSEUDOTREMIA SP. 5</i>	MANN'S CAVE MILLIPEDE				S1	G1	
<i>PSEUDOTREMIA SP. 6</i>	ROEBUCK'S CAVE MILLIPEDE				S1	G1	
<i>PSEUDOTREMIA SP. 7</i>	GARLAND'S CAVE MILLIPEDE				S1	G1	
<i>PSEUDOTREMIA VALGA</i>	A MILLIPEDE				S1?	G3	
<i>SCOTERPES COPEI</i>	A CAVE OBLIGATE MILLIPEDE				S1?	G1	

## Invertebrates

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<b>Other types</b>							
<i>SCOTERPES VENTUS</i>	A CAVE OBLIGATE MILLIPEDE	SV ER CU		S1S2		G1G2	
<i>SPHALLOPLANA BUCHANANI</i>	A CAVE OBLIGATE PLANARIAN			S1		G3G4	
<i>SPHALLOPLANA CHANDLERI</i>	CHANDLER'S PLANARIAN			S1		G1G3	
<i>SPHALLOPLANA CONSIMILIS</i>	POWELL VALLEY PLANARIAN	RV		S1?		G2G3	
<i>SPHALLOPLANA PRICEI</i>	REFTON CAVE PLANARIAN			S1?		G1G3	
<i>SPHALLOPLANA SP 2</i>	RUMBLING FALLS CAVE FLATWORM	CU		S1		G2	
<i>TETRACION JONESI</i>	A CAVE OBLIGATE MILLIPEDE			S1?		G3G4	
<i>TETRACION TENNESSEENSIS</i>	A CAVE OBLIGATE MILLIPEDE	CU ER		S1S2		G1G2	
<i>TRICHODRILUS ALLEGHENIENSIS</i>	A CAVE OBLIGATE WORM			S1S2		G1G2	